INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39735

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01N 29/00, 29/18 US CL : 73/1.02, 1.03, 32a, 61.75, 597, 645-648; 422/68.1, 102 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)				
U.S.: 73/1.02, 1.03, 32a, 61.75, 597, 645-648; 422/68.1, 102; 702/54				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, scarch terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.	
Α	CARSTENSEN, E.L. Determination of the Acoustic I	Properties of Blood and its	1-20	
A	Components, J.Acoustic Soc. Am, March 1953, Vol 25, No. 2, pages 286-289. KIKUCHI, Y. Measurements on the Sound Velocity and the Absorption of Human Blood in 1-20 1-10MHz Frequency Range, Record of Electrical and Comunication Engineering Conversazione Tohoku University, June 1972, Vol. 41, No. 2, pages 152-159.			
A	AUBERT, A.E. Measurement of High Frequency Sound Velocity in Blood, Biosigma, 1978,		1-20	
A	Vol. 1, pages 421-425. HUGHES, D. J. Attenuation and Speed of 10 MHz U Packed-cell Volumes at 37C, Medical & Biological E 1979, Vol. 17, pages 619-622.	Iltrasound in Canine Blood of Various Engineering & Computing, September	1-20	
A	JOHNER, CHRISTIAN. Evaluation of an Ultrasonic Blood Volume Monitor, Nephrol Dial Transplant, 1998, Vol. 13., pages 2098-2103.		1-20	
A	US 5,139,328 A (BAKER et al) 18 August 1992 (19.08.1992).		1	
A	US 4,854,170 (Brimhall et al) 08 August 1989 (08.0)	8.1989).	1	
. —	r documents are listed in the continuation of Box C.	See patent family annex.	/ 15!: 1	
Special categories of cited documents:		"T" later document published after the inte date and not in conflict with the applic	ation but cited to understand the	
	t defining the general state of the art which is not considered to be of relevance	principle or theory underlying the inve		
"I" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone	red to involve an inventive step	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or now other methodocuments, such combination being		
"O" documen	t referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report		
27 June 2005 (27.06.2005)		Authorized officer		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Hezron Williams . tllfuffed		
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No. 703-308-7722	ton	

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/39735

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US 5,821,399 (ZELIN) 13 October 1998 (13.10.1998)	3 ,4, 1-1-20		
		·.		
	·			
		· ·		
		}		
	·			
		1		
		1		
1				